

## How To Make A Filter For Free (almost) © Carl Stewart

My way of making a filter from items normally thrown away.

### **You will need**

1. An empty milk carton, you can use any size, I use the 4 pint ones because that's the size my wife buys
2. An empty pop bottle, **this must have a normal size lid** it doesn't have to have the fancy lid as shown, some pop company's use an extra large size lid.
3. A piece of 22mm water pipe .If you know a plumber he will give you plenty of odd bits or if you go to any building site and ask the site agent he will gladly give you off-cuts.
4. A 21.5mm electric duct elbow (you don't have to use a elbow you can just leave the pipe as it is)



Now you have all the things you need to make the filter, make sure everything is well cleaned, then we can begin.

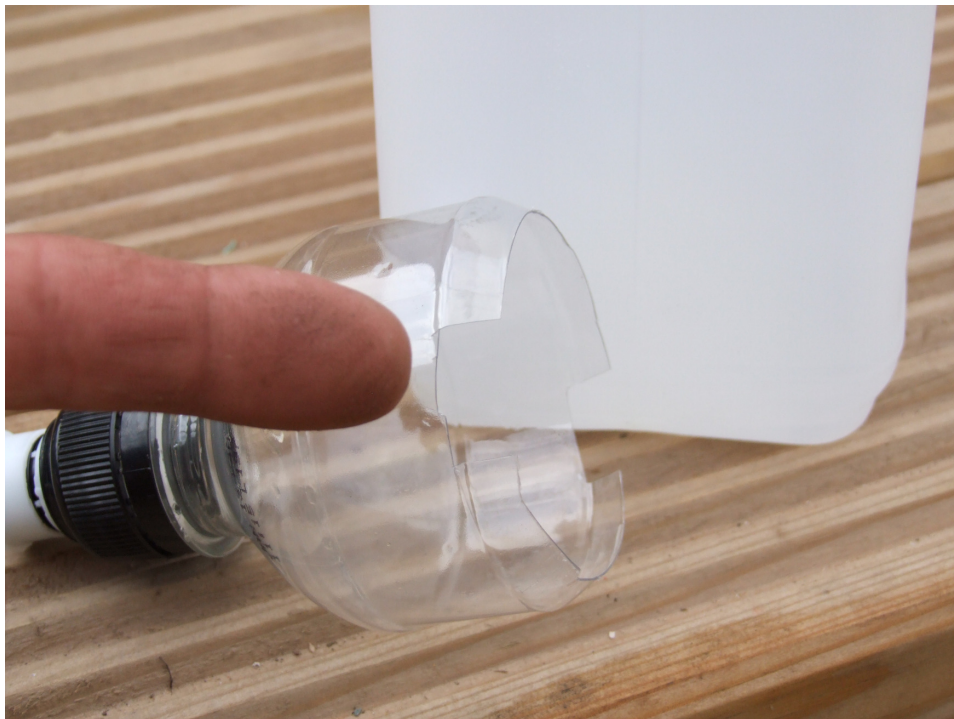


Cut the top off your milk carton and remove.



Cut the top of your pop bottle and remove the cap

If you look in the bottom of your milk carton you will see a ridge in the bottom, you will need to cut two notches out of the bottle so that it sit down in the carton you don't need to make this perfect as you need water to pass under.





Take the 21.5mm elbow and drill a hole through where it bends this is for the air line to go into



Now you can push the pipe into the bottle and place the elbow on top .  
add the air line with air stone, I pull the pipe back up so the air stone is just  
under the grey pipe.



Add your gravel and then it is ready to go to work



**Filter in action.....**



When you use the elbow this helps to move the water over the top of the tank and away from the filter.





**Contact the author:** Carl Stewart [carlstew80@hotmail.com](mailto:carlstew80@hotmail.com)